

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
25 March 2004 (25.03.2004)

PCT

(10) International Publication Number
WO 2004/024075 A3

(51) International Patent Classification⁷: **A61K 38/00**,
39/00, G01N 33/53, C07K 14/00

(21) International Application Number:
PCT/US2003/028349

(22) International Filing Date:
11 September 2003 (11.09.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/409,804 11 September 2002 (11.09.2002) US

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(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
28 October 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CHEMOKINE RECEPTOR ANTAGONISTS AS THERAPEUTIC AGENTS

(57) Abstract: The present invention provides methods and compositions to reduce immune tolerance at specific sites. In one aspect, the present invention comprises methods and compositions to reduce tumorigenicity. In an embodiment, the present invention reduces recruitment of tolerance-inducing antigen presenting cells (APCs) or their precursors to a tumor and/or tumor draining lymph node by decreasing binding of at least one tumor-associated of at least one tumor-associated ligand to a chemokine receptor present on the tolerance-inducing APCs or APC precursors. In an embodiment, the chemokine receptor is CCR6 and the tumor-associated ligand is mip-3 α . In another aspect, the present invention comprises methods and compositions to reduce immune tolerance to a virus. In an embodiment, the virus is HIV. The present invention further provides for the development of CCR6 antibodies and antagonists as therapeutic agents to prevent or reduce immune tolerance.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/28349

A. CLASSIFICATION OF SUBJECT MATTER		
IPC(7) : A61K 38/00, 39/00; G01N 33/53; C07K 14/00		
US CL : 424/130.1, 134.1; 435/7.1; 514/2; 530/350, 388.7		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) U.S. : 424/130.1, 134.1; 435/7.1; 514/2; 530/350, 388.7		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched NONE		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WEST, keywords include antigen presenting cell, APC IDO, CCR6, MIP-3, tumor, HIV		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/17558 A2 (SCHERING CORPORATION) 15 March 2001 (15.03.2001), page 1, lines 5-15; page 2, line 31-page 3, line 10; page 3, lines 11-25 and 31-33; page 12, line 15-, page 16, line 27.	1, 3-9, 11, 13, 32, 33, 35-42
X	US 5,885,579 A (LINSLEY et al.) 23 March 1999 (23.03.1999), column 3, lines 30-40; column 5, lines 50-67; column 17, line 39-column 18, line 26; column 18, lines 26-44.	1, 3, 4, 6, 10-18, 21, 30-33, 35-37, 43-46
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"P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family	
Date of the actual completion of the international search 20 January 2004 (20.01.2004)		Date of mailing of the international search report 19 AUG 2004
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